

ABSTRACT OF THE DISCLOSURE

A method and system for displaying an image associated with an extended field of view is provided. One image comprises a compounded sub-set of the extended field of view. Other images may include an extended field of view image or an image absent compounding from the extended field of view image. The compounded sub-set image is associated with reduced noise as compared to the image absent compounding and more closely resembles an area of the extended field of view image. Where plurality of images are associated with a rotated transducer or scan planes or where a sector or Vector® scan pattern is used, the compounded sub-set provides spatial compounding associated with different angles of incidence to the region of interest, increasing speckle reduction.

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